



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Handwritten initials

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/814,474	03/21/2001	Andrew V. Kadatch	2770	4122

7590 08/15/2003

LAW OFFICES OF ALBERT S MICHALIK PLLC
704-228th AVENUE NE
SUITE 193
SAMMAMISH, WA 98074

EXAMINER

MAI, RIJUE

ART UNIT	PAPER NUMBER
----------	--------------

2182

DATE MAILED: 08/15/2003

Handwritten mark

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/814,474

Applicant(s)

Kadtch et al.

Examiner

Rijue Mai

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claims 1-21 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on Mar 21, 2001 is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

Art Unit: 2182

DETAILED ACTION

1. This action is in response to the application filed on 3/21/2001. Claims 1-21 are pending.

Election/Restriction

2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-10, 12-15, drawn to input/output access regulation for polled interrupt, classified in class 710, subclass 47.
 - II. Claim 11, drawn to programmed control direct memory access (DMA) in input/output data processing, classified in class 710, subclass 23.
 - III. Claims 16-21, drawn to computer power control, classified in class 713, subclass 310.

3. The inventions are distinct, each from the other because of the following reasons:

Inventions I, II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as preparing data writing while between polling operation, and invention II has another separate utility such as a DMA controller configured to access memory and write data to the non-volatile storage device, and invention III has another separate utility such as power control to maintain sufficient power to a memory to preserve memory contents. See MPEP § 806.05(d).

Art Unit: 2182

4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Groups II , restriction for examination purposes as indicated is proper.

5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

7 Applicant is reminded that the shortened statutory period for response to this restriction is 30 days, not one month.

Conclusion

Art Unit: 2182

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Rijue Mai** whose telephone number is (703) 308-7098

The examiner can normally be reached on Monday-Thursday from 7:00 AM to 4:30 PM, and alternate Friday Eastern Time. The examiner can also be E-mailed at **Mai.Rijue@uspto.gov**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Jeffrey Gaffin, can be reached on (703) 308-3301.

9.. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Assistant Commissioner for Patents

Washington, D.C. 20231

Or faxed to:

(703) 746-7239, (for formal communications intended for entry)

Or:

Application/Control Number: 09/814,474

Page 5

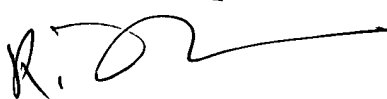
Art Unit: 2182

(703) 746-7240, (for informal or draft communications, please label

“PROPOSED” or “DRAFT”)

EXAMINER

Rijue Mai

A handwritten signature in black ink, appearing to be 'R. Mai', with a long horizontal stroke extending to the right.

Art Unit 2182

August 12, 2003